

Delta Flow Criteria Informational Proceeding

Before the

State Water Resources Control Board

Scheduled to Commence

March 22, 2010

Exhibit CCWD-2

Statement of Qualifications of Leah Orloff, Ph.D., P.E.
Water Resources Manager
Contra Costa Water District

Submitted on behalf of

Contra Costa Water District
P.O. Box H2O
Concord, CA 94524

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Exhibit CCWD-2
Statement of Qualifications of Leah Orloff, Ph.D., P.E.
Water Resources Manager
Contra Costa Water District
P.O. Box H20
Concord, CA 94524
925-688-8083

Employment History

2002 – present Contra Costa Water District.
Water Resources Manager, 2008-present
Water Resources Specialist, 2002-2008
1993 – 2002 San Francisco Public Utilities Commission
Assistant Civil Engineer
1998 San Francisco State University
Lecturer in Civil Engineering,
1996 – 2001 University of California at Berkeley
Research assistant and teaching assistant, environmental fluid mechanics

Education

B.S., Civil Engineering, San Francisco State University, 1992
M.S., Civil and Environmental Engineering, University of California at Berkeley, 1996
Ph.D., Civil and Environmental Engineering, University of California at Berkeley, 2001

Academic Awards

U. S. Environmental Protection Agency STAR fellowship
Berkeley Fellowship

Professional Registration

Registered Civil Engineer #64421, State of California

Current Professional Activities

Manage modeling and analysis activities for the Contra Costa Water District, including modeling of California hydrology and water operations and of Delta hydrodynamics, water quality, and fisheries for District capital projects such as the Alternative Intake Project on Victoria Canal and the Los Vaqueros Reservoir Expansion Project; obtain water right, biological opinion, and California Endangered Species Act permit modifications as needed for District capital projects and ongoing operations; ensure that the District's water supply and water quality are protected from adverse impacts of projects by others; represent the District in inter-agency associations, before regulatory agencies, and in statewide planning efforts; manage scientific studies and investigations in areas such as the effect of operational decisions on water quality, salmon, and smelt in the Delta.

Publications

Orloff, Leah S., and Rodney J. Sobey. Wave data interpretation, extrapolation, and presentation as intensity-duration-frequency curves. (paper presented at the Orville T. Magoon Symposium, Berkeley, California, 1998).

- Sobey, Rodney J., and Leah S. Orloff. 1995. Triple annual maximum series in wave climate analysis. *Coastal Engineering*. 26:135-151.
- Sobey, Rodney J., and Leah S. Orloff. 1998. "Duration in wave climate analysis". In *Proceedings, Twenty-sixth Coastal Engineering Conference*. 1013-1026.
- Sobey, Rodney J., and Leah S. Orloff. 1999. Intensity-duration-frequency summaries for wave climate. *Coastal Engineering*. 36:37-58.